

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Currently Amended) An IP address setting ~~device~~ system, comprising:

a plurality of nodes of a network, each node providing notification that the node is a member of a particular multicast address; and

an IP address setting device, comprising:

_____ a request packet transmitting unit that transmits a request packet to a the particular multicast address, the request packet requesting transmission of MAC addresses from the nodes of a the network;

_____ a response reception unit that receives responses from the nodes to the request packet transmitted by the request packet transmitting unit, each response including the MAC address of a corresponding node;

_____ an address information designation unit (1) that, based on the responses received from the nodes by the response reception unit, designates one node to be set with address information including an IP address and (2) that designates the address information, wherein the address information designation unit includes:

a display that displays a list of nodes that transmitted responses;

a selection unit that enables a user to designate the one node to be set with address information from the list; and

an address information setting unit that designates the address information for the one node; and

a setting packet transmission unit that transmits a setting packet to the particular multicast address, the setting packet including the address information set by the

address information designation unit and the MAC address included in the response of the one node.

3. (Currently Amended) An IP address setting ~~device~~ system, comprising:
a plurality of nodes of a network, each node providing notification that the node is a member of a particular multicast address; and
an IP address setting device, comprising:
a request packet transmitting unit that transmits a request packet to a the particular multicast address, the request packet requesting transmission of MAC addresses from the nodes of a the network;
a response reception unit that receives responses from the nodes to the request packet transmitted by the request packet transmitting unit, each response including the MAC address of a corresponding node;
an address information designation unit (1) that, based on the responses received from the nodes by the response reception unit, designates one node to be set with address information including an IP address and (2) that designates the address information, wherein the address information designation unit includes a display unit that displays a list of nodes that transmitted responses; and
a setting packet transmission unit that transmits a setting packet to the particular multicast address, the setting packet including the address information set by the address information designation unit and the MAC address included in the response of the one node.

4-6. (Cancelled)

7. (Currently Amended) An IP address setting method comprising:
notifying that each of a plurality of nodes of a network is a member of a particular multicast address;

transmitting a request packet to ~~a~~the particular multicast address, the request packet including a request for a MAC address from the nodes of ~~a~~the network;

receiving responses from the nodes to the request packet, each response including the MAC address of a corresponding node;

displaying a list of nodes that transmitted responses;

determining selection of one node to be set with address information, designated by a user from the list;

designating the address information, including the IP address, for the one node; and

transmitting to the particular multicast address a setting packet including the address information and the MAC address included in the response from the one node.

8-9. (Cancelled)

10. (New) The IP address setting system according to claim 2, wherein each node stores data of the particular multicast address

11. (New) The IP address setting system according to claim 2, further comprising a router, the nodes and the IP address setting device communicating via the router.

12. (New) The IP address setting system according to claim 3, wherein each node stores data of the particular multicast address.

13. (New) The IP address setting system according to claim 3, further comprising a router, the nodes and the IP address setting device communicating via the router.

14. (New) The IP address setting method according to claim 7, wherein each node stores data of the particular multicast address, each node performing the notifying step to provide notification that the node is the member of the particular multicast address.

15. (New) The IP address setting method according to claim 7, wherein the request packet and the setting packet are transmitted from an IP address setting device via a router to the particular multicast address of the nodes.